



SEQUENCE LISTING

CA
<110> Wang-Fei
et al,

<120> Transforming Growth Factor Alpha HIII

<130> PF220P1

<140> Unassigned

<141> 2000-12-01

<150> 08/778,545

<151> 1997-01-03

<150> 60/011,136

<151> 1996-01-04

<150> 60/168,387

<151> 1999-12-02

<160> 21

<170> PatentIn version 3.0

<210> 1

<211> 923

<212> DNA

<213> Homo sapiens

<400> 1

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agggagcgtg caaaatttgt caaaagtggc cttttattgt aaaacgacac gagagctaata	180
gctgcatgcc cgttgctgcc tgaatcagaa gggcaccatc ttggggctgg atctccagaa	240
ctgttctctg gaggaccctg gtccaaactt tcatcaggca cataccactg tcatcataga	300
cctgcaagca aacccctca aaggtgactt ggccaacacc ttccgtggct ttactcagct	360
ccagactctg atactgccac aacatgtcaa ctgtcctgga ggaattaatg cctggaatac	420
tatcacctct tatatagaca accaaatctg tcaagggcaa aagaaccttt gcaataacac	480
tggggacca gaaatgtgtc ctgagaatgg atcttgtgta cctgatggtc caggtctttt	540
gcagtgtgtt tgtgctgatg gtttccatgg atacaagtgt atgcgccagg gctcgttctc	600
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ggcgaccag cgccgaaaag ccaagacttc atgaactaca taggtcttac cattgacctt	720
agatcaatct gaactatctt agcccagtcg gggagctctg ctccctagaa aggcattctt	780
cgccagtgga ttgcctcaa ggttgaggcc gccattggaa gatgaaaaat tgcaactcct	840
tggtgtagac aaataccagt tccattgggt gttgttgctt ataataaaca cttttttctt	900

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Out
C

<210> 2
<211> 229
<212> PRT
<213> Homo sapiens

<400> 2

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1 5 10 15

Ala Ala Leu Leu Leu Ala Leu Gly Val Glu Arg Ala Leu Ala Leu Pro
20 25 30

Glu Ile Cys Thr Gln Cys Pro Gly Ser Val Gln Asn Leu Ser Lys Val
35 40 45

Ala Phe Tyr Cys Lys Thr Thr Arg Glu Leu Met Leu His Ala Arg Cys
50 55 60

Cys Leu Asn Gln Lys Gly Thr Ile Leu Gly Leu Asp Leu Gln Asn Cys
65 70 75 80

Ser Leu Glu Asp Pro Gly Pro Asn Phe His Gln Ala His Thr Thr Val
85 90 95

Ile Ile Asp Leu Gln Ala Asn Pro Leu Lys Gly Asp Leu Ala Asn Thr
100 105 110

Phe Arg Gly Phe Thr Gln Leu Gln Thr Leu Ile Leu Pro Gln His Val
115 120 125

Asn Cys Pro Gly Gly Ile Asn Ala Trp Asn Thr Ile Thr Ser Tyr Ile
130 135 140

Asp Asn Gln Ile Cys Gln Gly Gln Lys Asn Leu Cys Asn Asn Thr Gly
145 150 155 160

Asp Pro Glu Met Cys Pro Glu Asn Gly Ser Cys Val Pro Asp Gly Pro
165 170 175

Gly Leu Leu Gln Cys Val Cys Ala Asp Gly Phe His Gly Tyr Lys Cys
180 185 190

Met Arg Gln Gly Ser Phe Ser Leu Leu Met Phe Phe Gly Ile Leu Gly
195 200 205

Ala Thr Thr Leu Ser Val Ser Ile Leu Leu Trp Ala Thr Gln Arg Arg
210 215 220

Lys Ala Lys Thr Ser
225

<210> 3
<211> 52
<212> PRT
<213> Homo sapiens

<400> 3

Gly Gln Lys Asn Leu Cys Asn Asn Thr Gly Asp Pro Glu Met Cys Pro
1 5 10 15

Glu Asn Gly Ser Cys Val Pro Asp Gly Pro Gly Leu Leu Gln Cys Val
20 25 30

Cys Ala Asp Gly Phe His Gly Tyr Lys Cys Met Arg Gln Gly Ser Phe
35 40 45

Ser Leu Leu Met
50

<210> 4
<211> 733
<212> DNA
<213> Homo sapiens

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aattcgaggg tgcaccgtca gtcttctctt tcccccaaaa acccaaggac accctcatga 120
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tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240
aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
ggctgaatgg caaggagtac aagtgcagg tctccaacaa agccctccca acccccatcg 360
agaaaacat ctcaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
catcccgga tgagctgacc aagaaccagg tcagcctgac ctgcctgggc aaaggcttct 480
atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540
ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg 600
acaagagcag gtggcagcag gggaaagtct tctcatgtc cgtgatgcat gaggtctctg 660
acaaccacta cagcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720
gactctagag gat 733

<210> 5
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> WSXWS motif

<220>
<221> SITE
<222> (3)..(3)
<223> Xaa equals any amino acid

<400> 5

Trp Ser Xaa Trp Ser
1 5

<210> 6
<211> 86
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' primer containing 18bp complementary to SV40 promotor and
an XhoI site

<400> 6
gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60
cccgaaatat ctgccatctc aattag 86

<210> 7
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 3' primer containing sequence complementary to SV40
promotor and a HindIII site

<400> 7
gcggcaagct ttttgcaaag cctaggc 27

<210> 8
<211> 271
<212> DNA
<213> Homo sapiens

<400> 8
ctcgagattt ccccgaaatc tagattttccc cgaaatgatt tccccgaaat gatttccccg 60
aaatatctgc catctcaatt agtcagcaac catagtcccc cccctaactc cgcccatccc 120
gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
ttttggaggc ctaggctttt gcaaaaagct t 271

<210> 9
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' PCR primer

<400> 9
gcgctcgagg gatgacagcg atagaacccc gg 32

<210> 10
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> 3' PCR primer

<400> 10
gcgaagcttc gcgactcccc ggatccgcct c 31

<210> 11
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> NF-KB repeat in upstream primer

<400> 11
ggggactttc cc 12

<210> 12
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' primer containing the NF-KB binding site, 18bp
complementary to SV40 promotor, and an XhoI site

<400> 12
gcggcctcga ggggactttc cgggggactt tccggggact ttccgggact ttccatcctg 60

ccatctcaat tag 73

<210> 13
<211> 256
<212> DNA
<213> Homo sapiens

<400> 13
ctcgagggga ctttcccggg gactttccgg ggactttccg ggactttcca tctgccatct 60

caattagtca gcaaccatag tcccgccct aactccgccc atcccgcccc taactccgcc 120

cagttccgcc cattctccgc cccatggctg actaatTTTT tttatttatg cagaggccga 180

ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240

cttttgcaaa aagctt 256

Cont
C1
<210> 14
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' primer containing a BamHI site and 18nt of TGF alpha HIII

<400> 14
cgcggtatccg ggcaaaagaa cctttgc 27

<210> 15
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> 3' primer containing an XbaI site and 21 nt of TGF alpha HIII

<400> 15
gcgtctagac taaagcagtg agaacgagcc 30

<210> 16
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' primer containing a BamHI site

<400> 16
cgcggtatccg tccatcatgg cgcctcacgg cccg 34

<210> 17
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> 3' primer containing an XbaI site

<400> 17
gcgtctagac tacataagca gtgacaacga gcc 33

<210> 18
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' primer containing a BamHI site

<400> 18
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28

*Cont
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<210> 19
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> 3' primer containing an XbaI site

<400> 19
gcgtctagac tacataagca gtgagaacga gcc

33

<210> 20
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' primer containing a BamHI site and 18nt of TGF alpha HIII

<400> 20
cgcggatccg tccatcatgg cgcttcacgg cccg

34

<210> 21
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> 3' primer containing an XhoI site and 21 nt of TGF alpha HIII

<400> 21
gcgctcagac ataagcagtg agaacgagcc

30